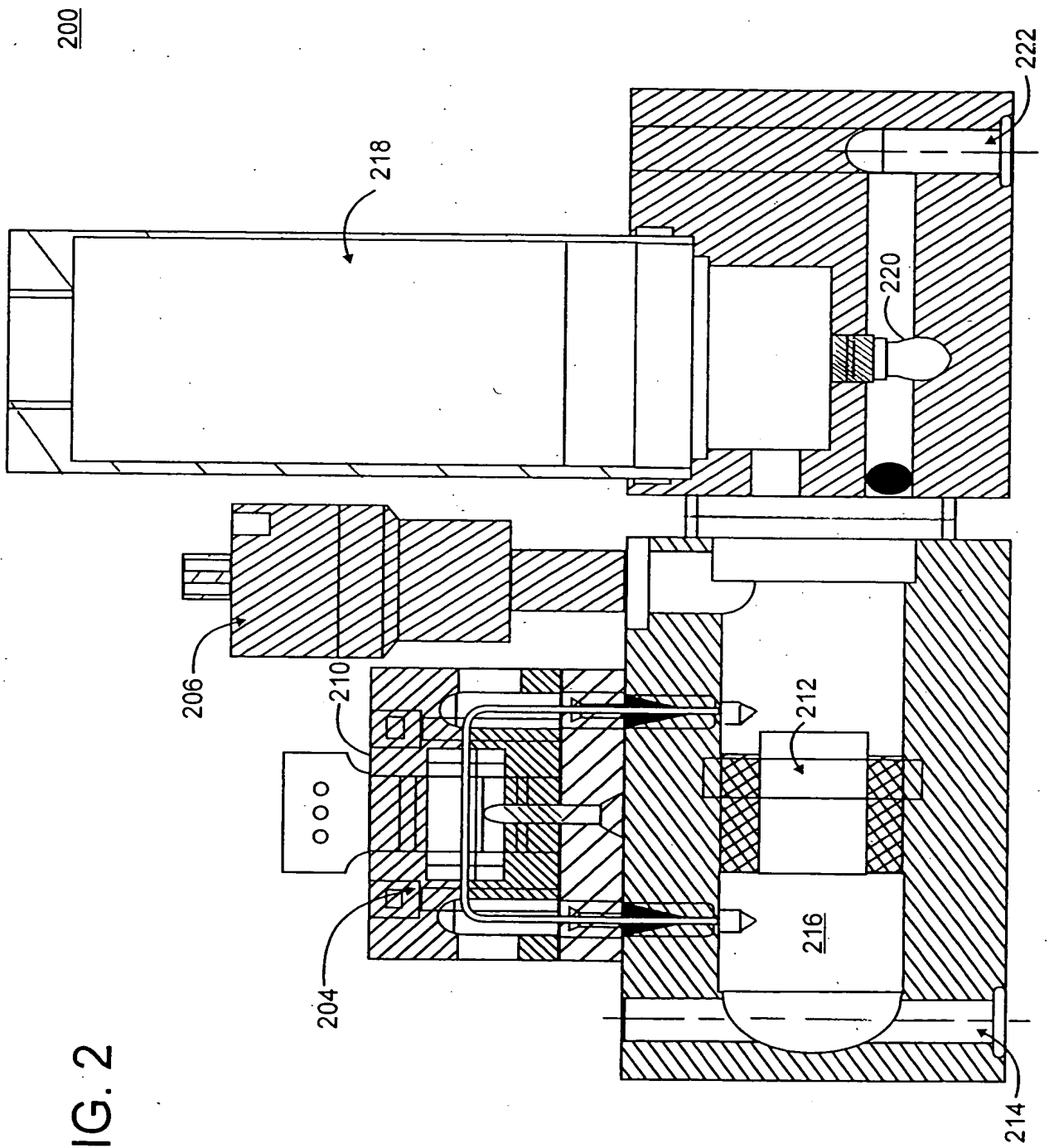


FIG. 1

FIG. 2



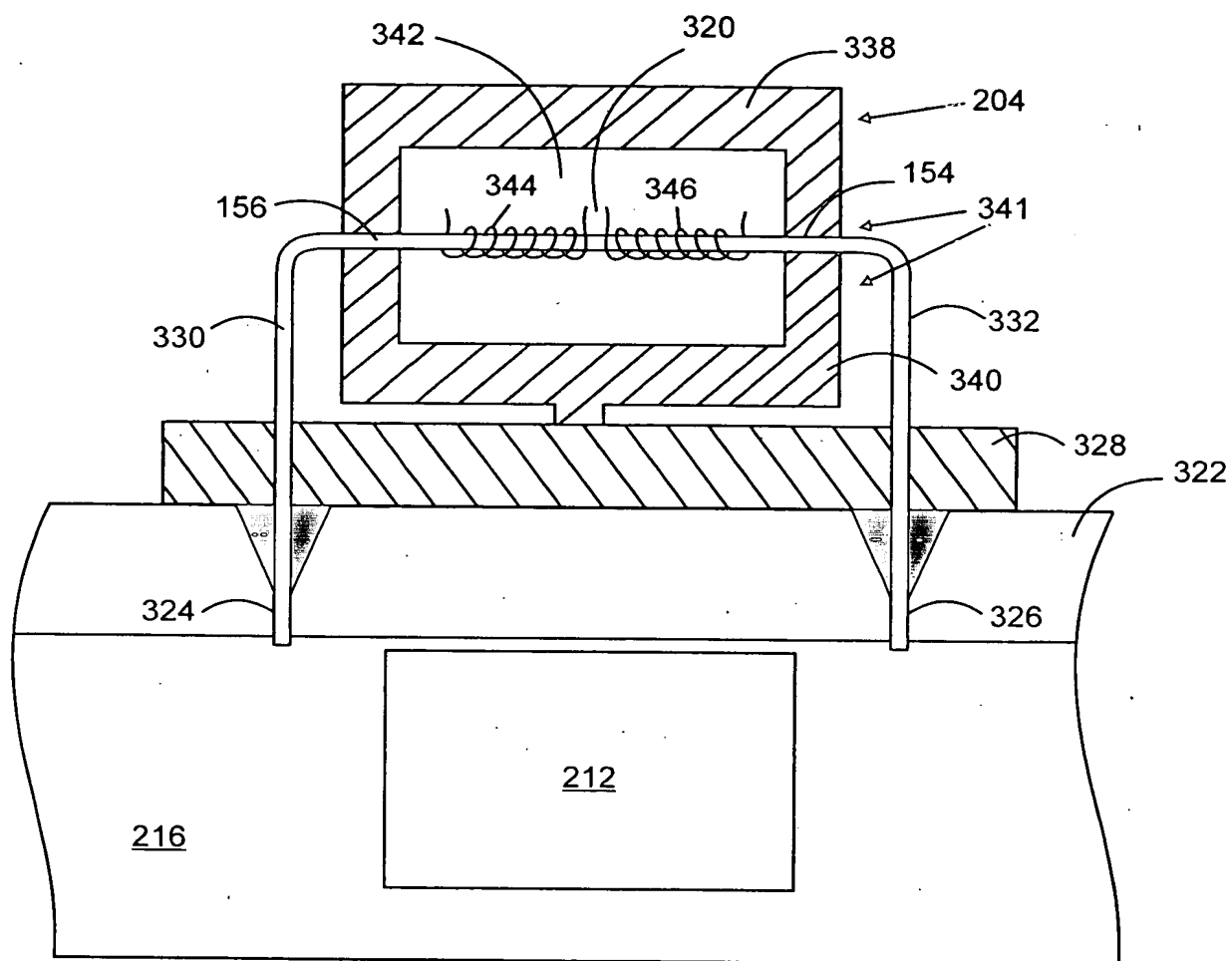


FIG. 3

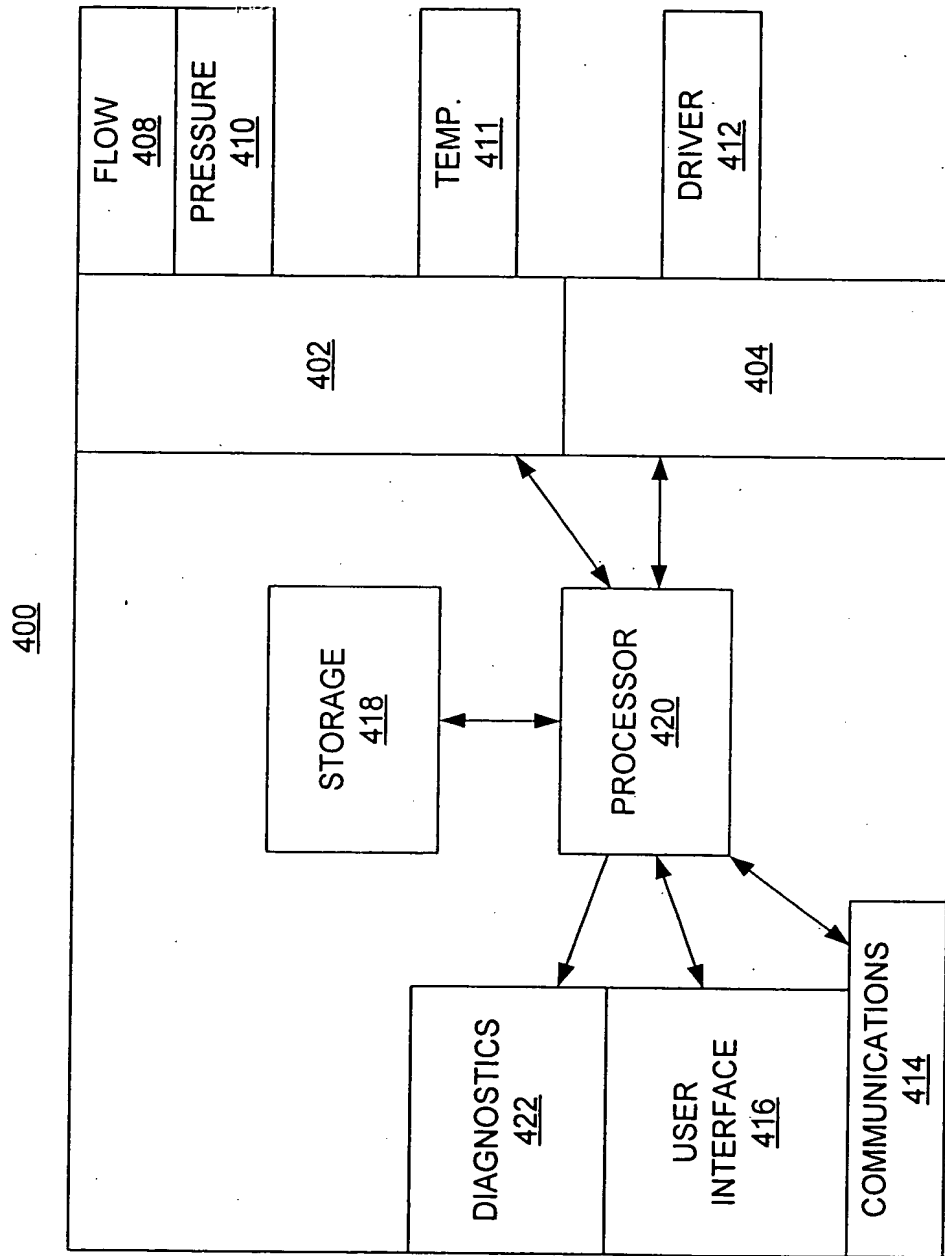


FIG. 4

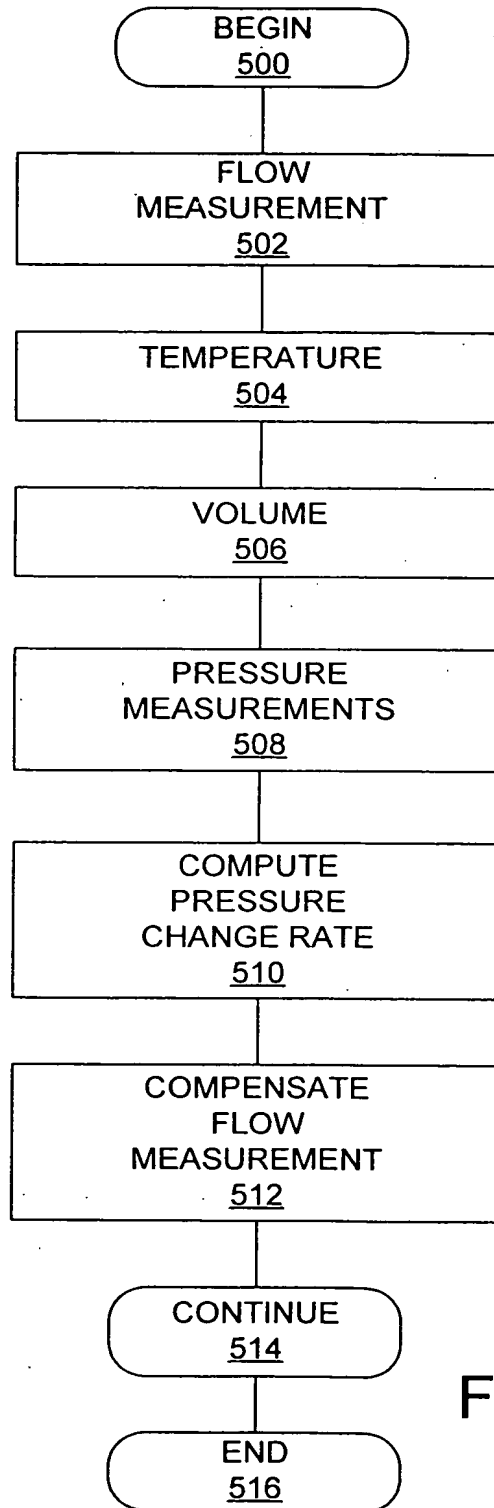


FIG. 5

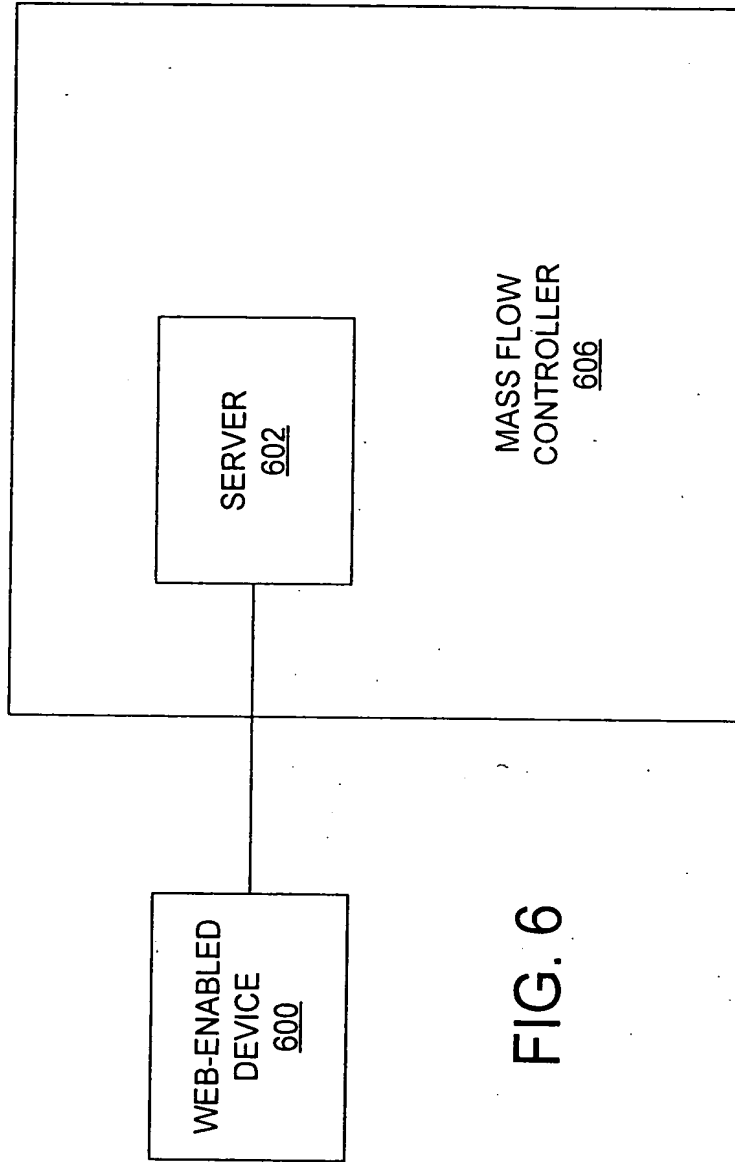


FIG. 6

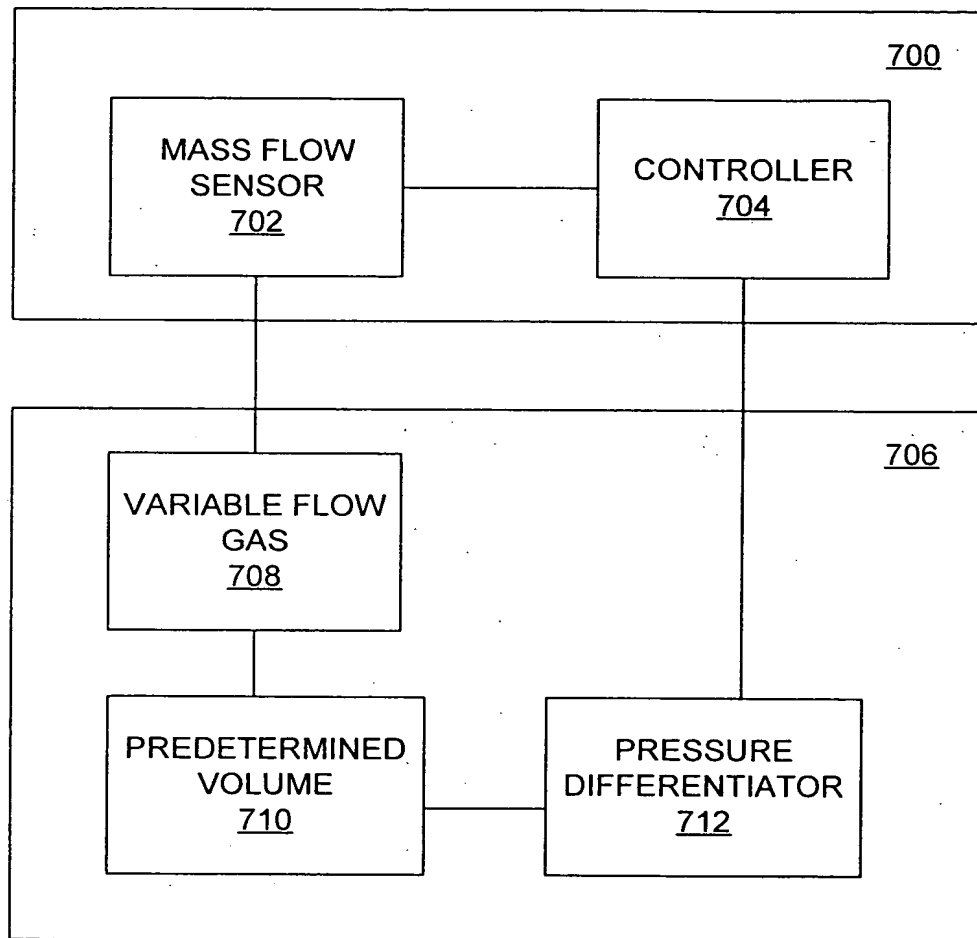
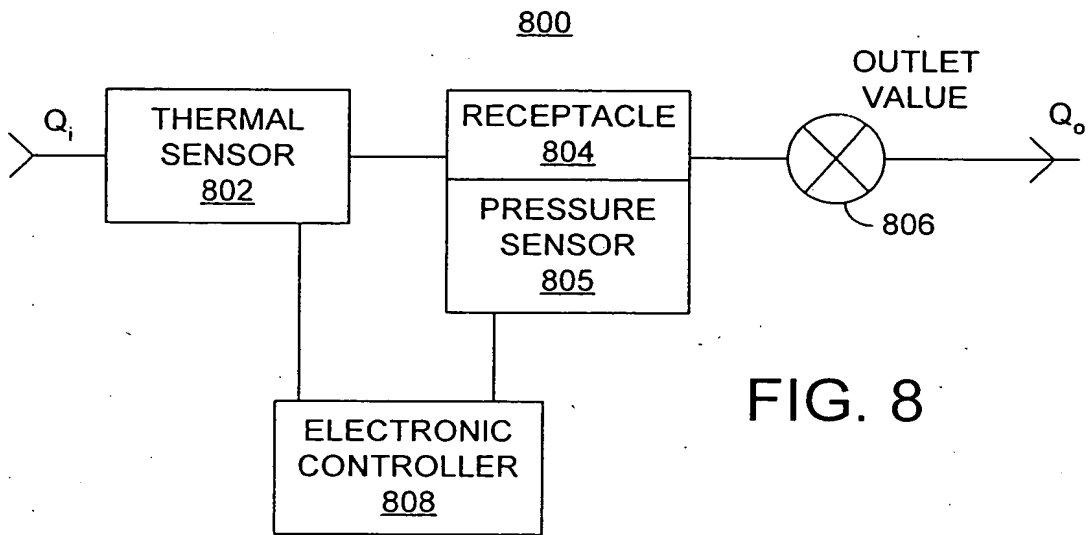


FIG. 7



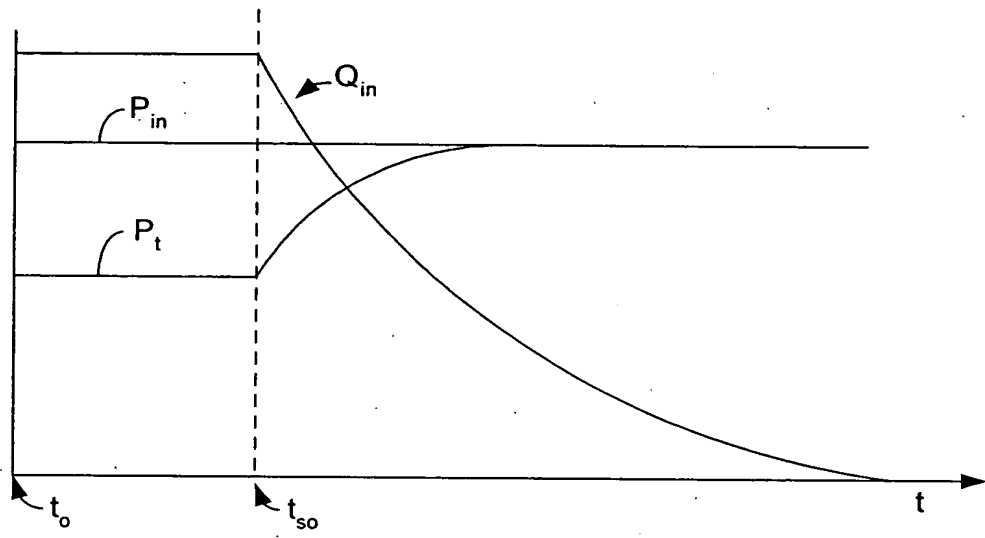


FIG. 9

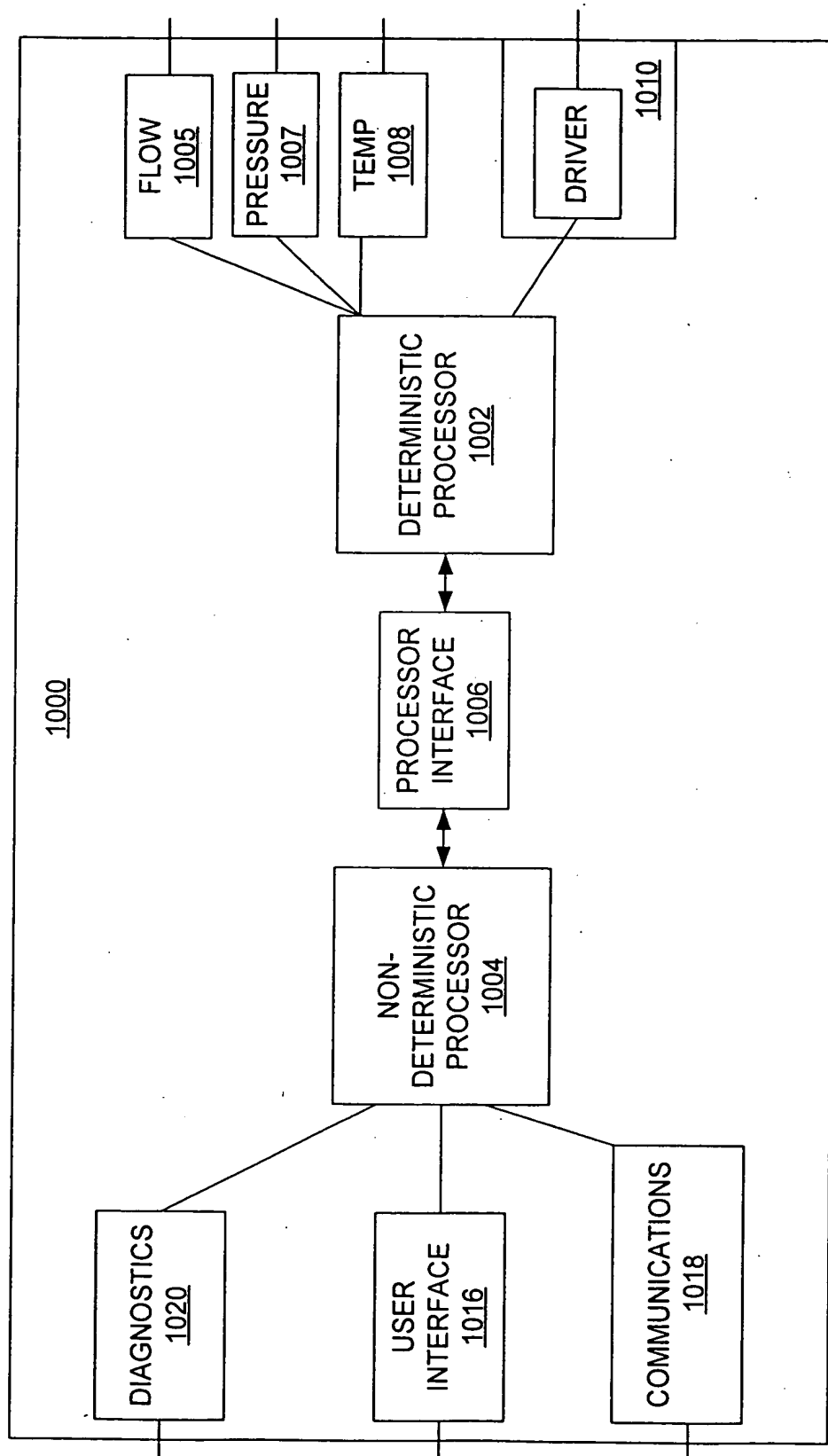


FIG. 10

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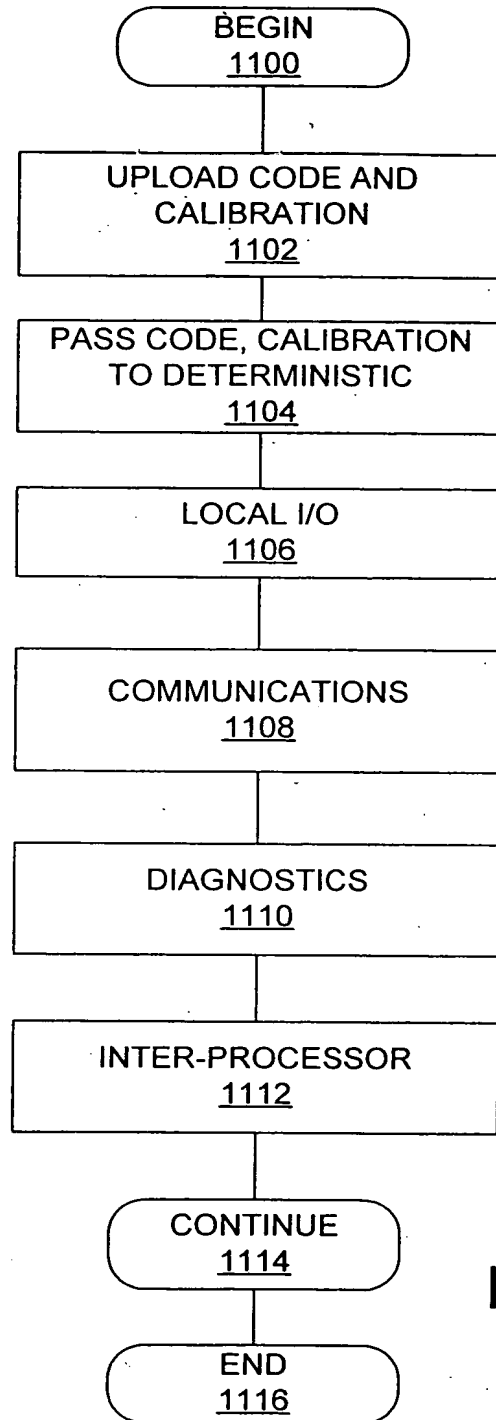


FIG. 11

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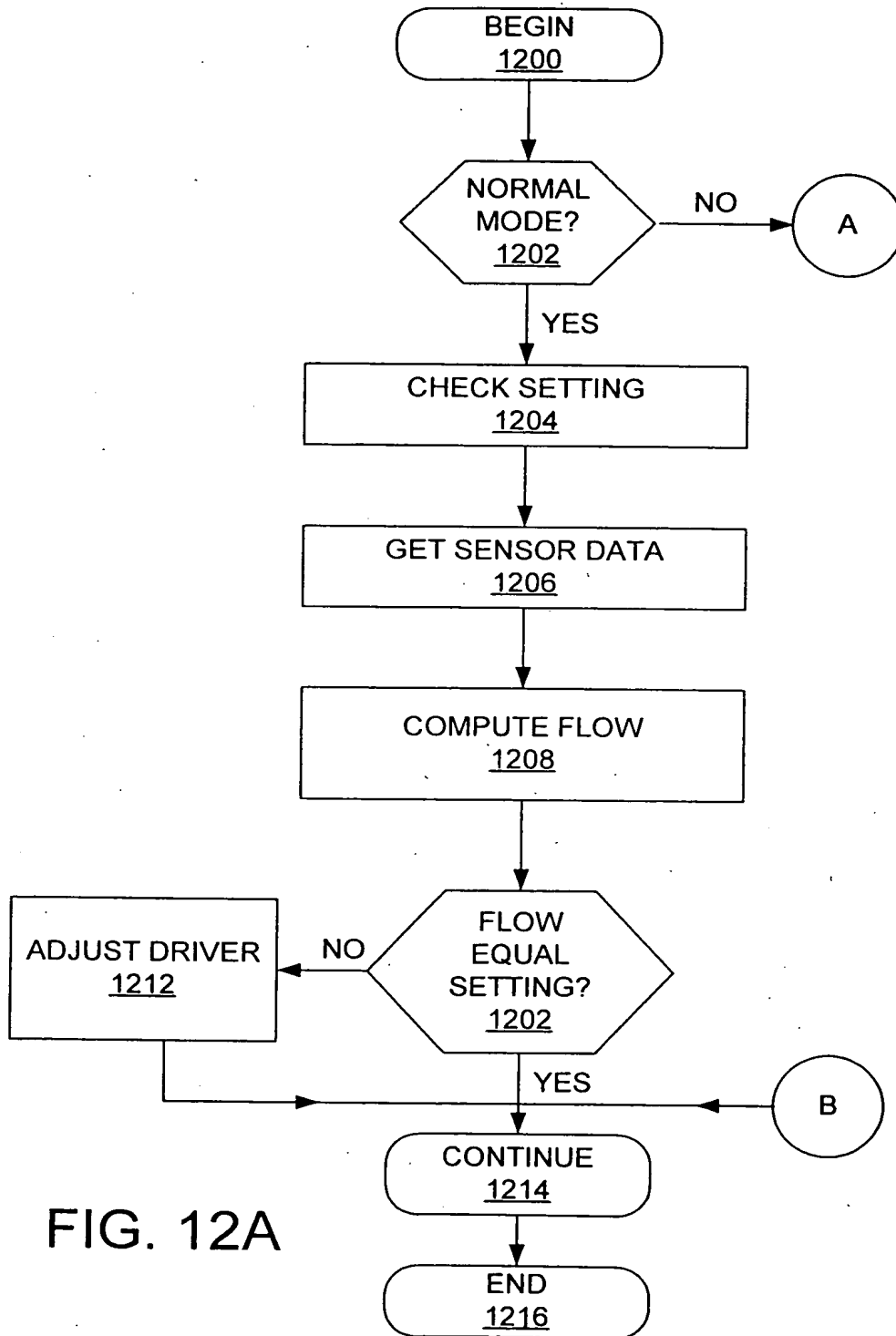


FIG. 12A

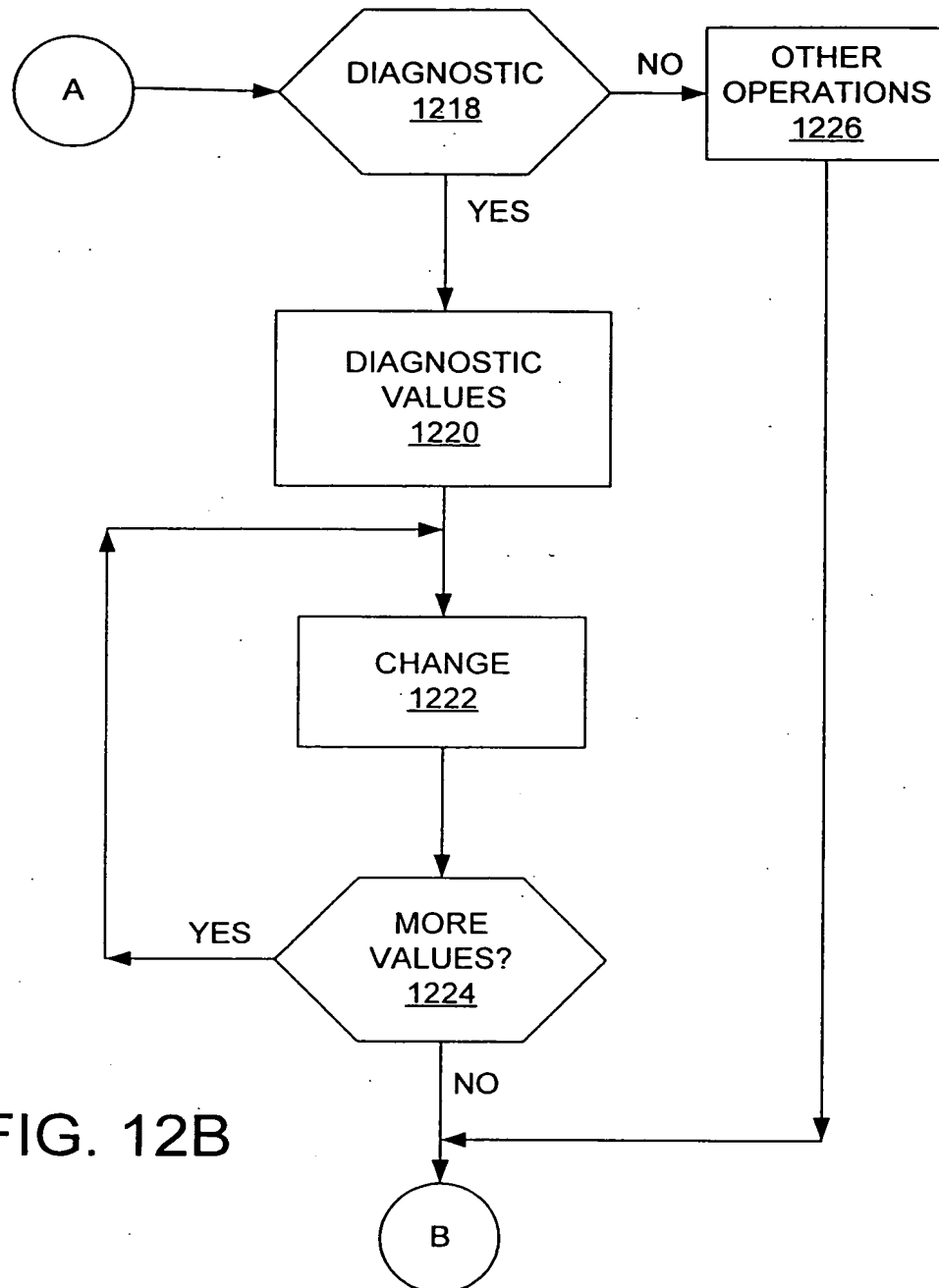
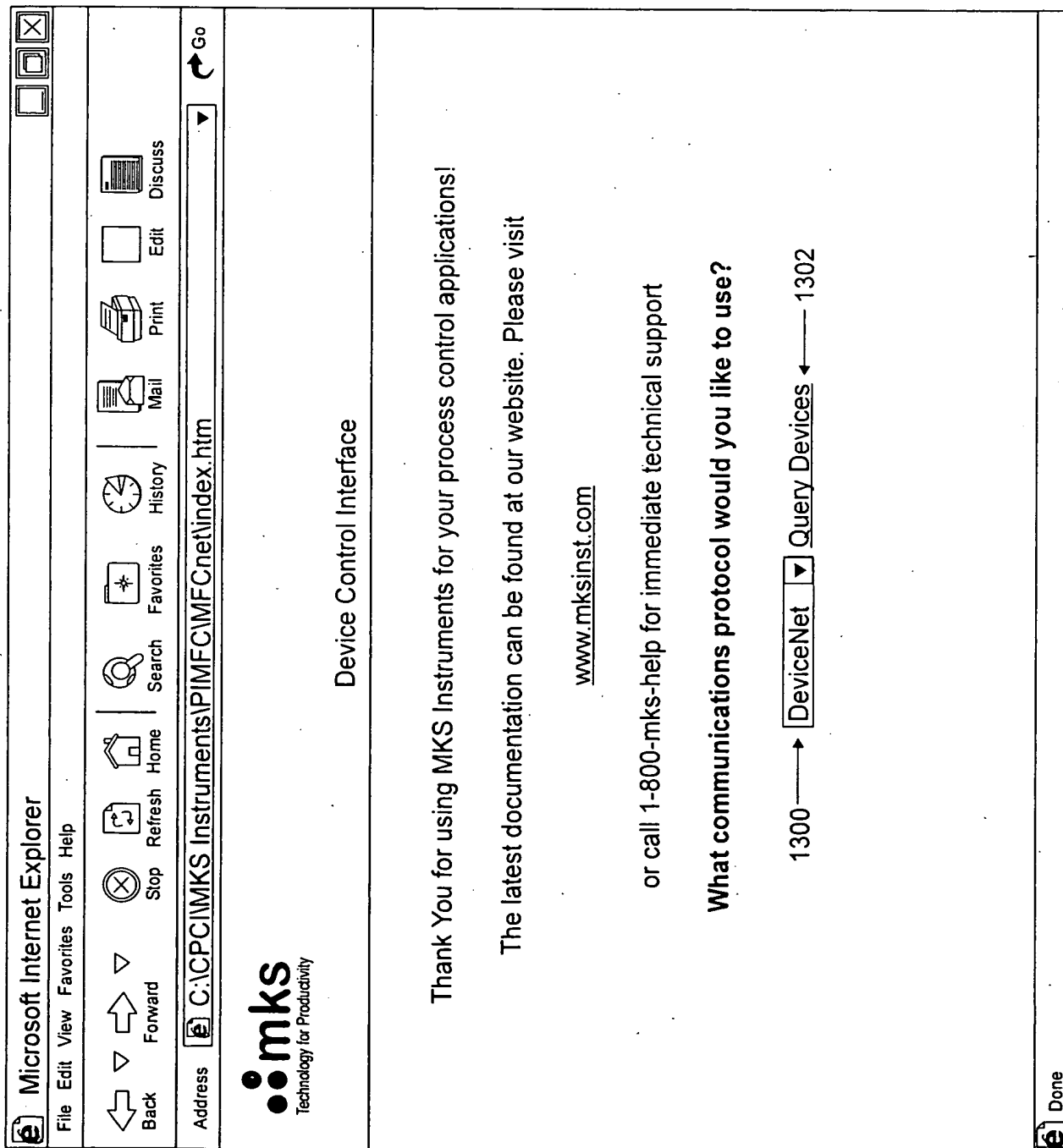


FIG. 12B



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Address <C:\CPC\IMKS Instruments\IPIMFC\IMFCnetindex.htm> Go

mks
Technology for Productivity

Device Control Interface

1. 500 sccm MFC Collapse View

Model	3141	View Specs	Setup Device	S/N	SN495837
Range	50 sccm			Gas	N2 Calibration
Set Point	0.0	Set		Flow	0.0 sccm Plot
Mode	Controlling Flow Valve Close Open				
MFG	MKS Instruments				

2. 2000 sccm MFC Collapse View

Model	3141	View Specs	Setup Device	S/N	SN445837
Range	50 sccm			Gas	N2 Calibration
Set Point	0.0	Set		Flow	0.0 sccm Plot
Mode	Controlling Flow Valve Close Open				
MFG	MKS Instruments				

3. 500 sccm MFC Expand View

Set Point	0.0	Set	Flow	0.0 sccm Plot
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Done

FIG. 13B

Microsoft Internet Explorer
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Device Specifications

Model	3141 Mass Flow Controller
Full Scale Range	500 sccm
Max Inlet Pressure	150 psia
Control Range	2% to 100% FS
Accuracy	1 % Reading 5 to 100% FS 0.5% 1 to 5% FS
Repeatability	0.2% Reading
Resolution	0.1% FS
Warm Up Time	10 min
Max Response Time	500 ms
Max Pressure Sensitivity	1 % Reading
Communications	DeviceNet
Operating Pressure Differential	10 to 40 psia

[Close Window](#)

FIG. 13C

Microsoft Internet Explorer

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Device Name	500 sccm MFC	
Device ID	10	
Baud Rate	125k	
Alarms	Hi	Lo

Flow Units	sccm	
Pressure Units	psia	
Set Point Limits	Hi	Lo
Zero Flow	Current Reading	Zero

Close Window Save Changes

FIG. 13D

Microsoft Internet Explorer

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Calibration Gas: N2

	% Full Scale	Cal Point
1	0	0
2	5	0
3	10	0
4	15	0
5	20	0
6	25	0
7	30	0
8	35	0
9	40	0
10	45	0
11	50	0
12	55	0
13	60	0
14	65	0
15	70	0
16	75	0
17	80	0
18	85	0
19	90	0
20	100	0

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FIG. 13E